

ABSTRACT

A swivel gearbox system having multiple drivetrain outputs is disclosed. The system comprises a swivel gearbox and an angled divider gearbox where the power input and divided power output shafts are not in the same plane. The swivel gearbox is a right angle gearbox to permit power input to the divider through a 360 degree range. The output shaft of the swivel gearbox functions as the input shaft of the angled, divider gearbox. The input shaft for the swivel gearbox and the multiple divided output shafts for the divider gearbox are positioned relative to one another in parallel, offset planes, shared shaft between the swivel gearbox and the angled, divider gearbox is preferably positioned in a plane perpendicular to the other input and output shafts. In another embodiment, an angled divider gearbox is provided. In a preferred embodiment, the power input shaft is positioned to have an angle perpendicular to the multiple divided power output shafts, thereby dampening power fluctuation effects along the drivetrain between the PTO of a tractor and the driven implements of the agricultural equipment.